

**REMARKS**

Claims 6-7 and 13-14 have been cancelled. Claims 21-28 have been added. Claims 1-5, 8-12 and 15-28 remain pending in the application. Claims 1, 3, 8-12 and 15-20 have been amended.

**Claims 8, 12 and 20**

The Applicant thanks the Examiner for indicating that claims 8, 12 and 20 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The Applicant has rewritten claims 8, 12 and 20 as suggested by the Examiner. It is therefore respectfully requested that the foregoing objection be withdrawn.

**Claims 1-7, 9-11 and 13-19 over RF3730 Limiting Amp**

In the Office Action, claims 1-7, 9-11 and 13-19 were rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by RF3730 Limiting Amp – Serial AT 3.125 Gbps, RF Micro Devices (cited in the IDS, hereinafter RF 3730). Claims 6-7 and 13-14 have been cancelled. The Applicants respectfully traverse the rejection of the remaining claims.

Claims 1-5, 9-11 and 15-19, as amended, recite a method and apparatus for a peak detector measuring a voltage level of a signal input having a data rate of at least OC192 equivalent to a limiting amplifier comprising a plurality of amplifier stages where the input to the peak detector is connected directly to an input of a first stage of the limiting amplifier. Transmission lines used between the input to the peak detector and the input of the first stage of the limiting amplifier are impedance matched such that the peak detector appears as a load with insignificant capacitance with respect to the data rate of a signal on the input

RF3730 appears to disclose a single-channel, limiting amplifier suitable for fiber optic transceiver applications up to 3.5 Gbps. The Examiner states that the specification discloses use of RF3730 at OC192 equivalent, pointing to Typical Applications on page 13-1, which shows a 10-Gigabit Ethernet

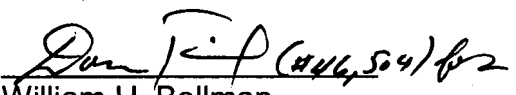
Optical Transceiver as a typical application. (Office Action, p. 4). This, however, apparently is not referring to the serial data rate handled by the RF3730. The section entitled "Typical Applications" states that the RF 3730 may be used in "All Fiber Optic Transceiver Applications up to 3.125 Gbps Serial Data Rate." The Specification on page 13-2 states that the typical data rate is 3.125 Gbps and that the maximum data rate is 4.0 Gbps. Therefore, RF3730 does not disclose a method and apparatus for a peak detector measuring a voltage level of a signal input having a data rate of at least OC192 equivalent to a limiting amplifier comprising a plurality of amplifier stages where the input to the peak detector is connected directly to an input of a first stage of the limiting amplifier, as recited by claims 1-5, 9-11 and 15-19.

For these and other reasons, claims 1-5, 9-11 and 15-19 are patentable over the prior art of record. It is therefore respectfully requested that the rejections be withdrawn.

### **Conclusion**

All objections and rejections having been addressed, it is respectfully submitted that the subject application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

  
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